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Governor



OIL, GAS, AND MINING BOARD

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NATURAL RESOURCES

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DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

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May 30, 1978

Mr. Dave Markley
Energy Fuels Nuclear
Three Park Central, Suite 455
1515 Arapahoe
Denver, CO. 80202

Re: Hillside, Gizmo, Maybe Mines
San Juan County, Utah
ACT/037/015

Dear Mr. Markley:

The Division is reviewing the Mining and Reclamation Plan for the Hillside, Gizmo, and Maybe Mine application, and it has been determined that several points need clarification:

1. Section 3 under the heading "Revegetation" of the Mining and Reclamation Plan (Form MR-2) states that 12 pounds per acre of crested wheatgrass will be applied to the disturbed areas. The Division requires a more diverse seed mixture of grass, shrub, and forb species of non-noxious perennial and possibly some annual types. This section needs to be revised. A recommended seed mixture is enclosed.
2. Section 6 under the heading "Revegetation" of the Mining and Reclamation Plan (Form MR-2) states, "There will be no maintenance procedures needed because of the small amount of land that is to be revegetated". The Division feels that a commitment is needed to reseed and, if necessary, use soil amendments if the initial attempt to revegetate fails.
3. The paragraph of the narrative in section 11 of the Mining and Reclamation Plan (Form MR-2) that addresses grading and regrading states that regrading will not be applicable to the operation. The Division feels that some regrading may be necessary to round-off the top of the dump to a rounded configuration and to insure that the disturbed area is self-draining and non-impounding.
4. The Division questions that the mining area, excluding roads, is only 3/4 of an acre as indicated in section 13 of the Notice of Intention to Commence Mining Operations (Form MR-1).

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5. In both forms it is indicated that all sections are to be held as confidential information. The Division cannot do so as only information relating to the location, size, or nature of the deposit can be held as confidential. Please review the information submitted and indicate what you consider to be applicable. Until then the map indicating underground workings will be held as confidential.

In the near future, the operators of mines that have submitted Mining and Reclamation Plans and have not as yet received final approval will receive a letter from the Division concerning the changes and additions to the regulations as adopted by the Board on May 22nd 1978. The Board now requires these operators to make a commitment to comply with Rule M-10, Reclamation Standards, before final approval can be issued for those mines. A copy of Rule M-10 is enclosed for your reference.

If you have any questions or comments please feel free to call. Thank you for your cooperation.

Sincerely,



K. MICHAEL THOMPSON
RECLAMATION HYDROLOGIST

Enclosure: Rule M-10

SUGGESTED SEED MIXTURE
for the
HILLSIDE, GIZMO & MAYBE MINES
SAN JUAN COUNTY, UTAH
ACT/037/015

<u>Species</u>	<u>Rate</u>
Crested Wheatgrass	4 lbs/acre
Indian Ricegrass	1 lb/acre
Sand Dropseed	2 lbs/acre
Yellow Sweetclover	1 lb/acre
Alfalfa	1 lb/acre
Fourwing Saltbush	2 lbs/acre

Seed all disturbed areas, preferably in the fall.